

Impregnated material - has microcapsules for contg. substance supported at material surfaces

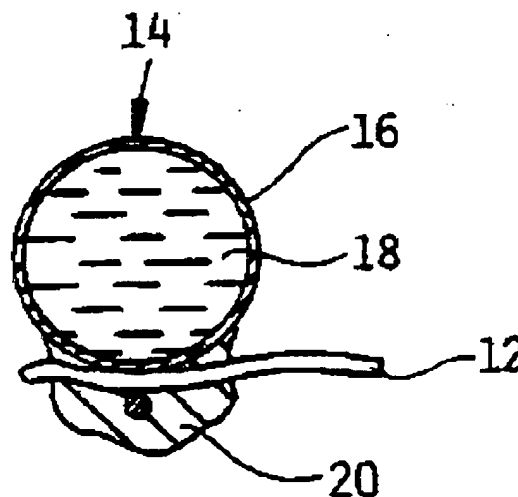
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Inventor: TEBBE GEROLD (DE)
Applicant: TEBBE GEROLD (DE)
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Abstract of DE4000920

The impregnated fabric to release a given substance, such as oil impregnated toilet paper or handkerchiefs or swatches with a fragrance for samples and the like, has microcapsules (14) contg. the substance (18) supported in the fabric structure. The wall (16) of the microcapsules (14) is less mechanically stable.

The microcapsules (14) are distributed over at least only one outer surface, and not within the body of the fabric, and are held in place by a bonding agent (20). The microcapsules (14) have a pref. dia. of 100-500 microns, with a thin wall (16) of about 1-5 microns. The microcapsule wall (16) is weakened by the introduction of a gel which does not mix with the wall material or sharp-edged particles. The substance (18) contained within the microcapsule (14) can be an oil, perfume, deodorant, water, lubricant, cleaning agent, toiletry, disinfectant, medication or the like, or mixtures. The microcapsules (14) can have different wall thicknesses. At least the outer surfaces of the carrier fabric are composed of non-absorbent fibres.

ADVANTAGE - The material does not have to be sealed by welding before use, and can be used a number of times without degrading the encapsulated substance.

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